
PAVATHERM 20-30 mm

Within the meaning of article 3 no. 3 of the REACH regulation (EC) no. 1907/2006, this product is an article. It does not contain any materials that are intentionally discharged and classed as hazardous. A safety data sheet for articles is not necessary. With this document, PAVATEX provides information for the safe handling and use of the products in accordance with REACH.

1. Identification of the product and of the company/undertaking

1.1 Product identifier

PAVATHERM 20-30 mm

1.2 Use of the product

Woodfibre insulation for buildings

1.3 Company/Undertaking Identification

CH: Pavatex SA
Rte de la Pisciculture 37
CH-1701 Fribourg
+41 26 426 31 11
safetydatasheet@pavatex.com
www.pavatex.com

D, A: PAVATEX GmbH
Wangener Str. 58
D-88299 Leutkirch
+49 75 61 98 55 0

F: PAVATEX FRANCE SARL
Route Jean-Charles Pellerin, ZI III
F-88190 Golbey
+33 3 29 39 99 99

I: Naturalia-BAU Srl
Via Carlo Abarth, 20
I-39012 Merano
+39 473 499 050

GB: Natural Building Technologies
The Hangar, Worminghall Road, Oakley,
Buckinghamshire, HP18 9UL
+44 1844 338 338

1.4 Emergency telephone number

see 1.3

2. Hazards identification

2.1 Classification of the product

In accordance with Regulation (EC) No. 1272/2008 (CLP), the product does not need to be classified nor labelled.

2.2 Label elements

none

2.3 Other hazards

none

3. Composition

Coniferous wood	98.9 %
Paraffin	0.4 %
Latex	0.0 %
Starch	0.6 %
PVAc	0.0 %
Flocculants	0.1 %
Silicates	0.0 %
Fire-retardant	0.0 %

4. First aid measures

4.1 Description of first aid measures

General information

No particular hazards.
The same precautions against dust must be taken as if solid timber is processed.

Inhalation

non-applicable

Skin contact

Clean dust with water.

Eye contact

Rinse thoroughly the dust with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.

Ingestion

If you feel unwell, seek medical advice (show the label where possible).



5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing agent must be adapted to surrounding fire.
The product behaves in case of fire same as solid wood.

Extinguishing media which must not be used for safety reasons

none

5.2 Special hazards arising from the product

During a fire, smoke may contain unidentified toxic
and/or irritating compounds.

5.3 Advice for firefighters

Self-contained breathing apparatus must be used.
Released flue gas in case of fire:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

none

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

none

7. Handling and storage

7.1 Precautions for safe handling

No special technical protective measures required.

7.2 Conditions for safe storage

none

7.3 Specific end use(s)

Woodfibre insulation for buildings

8. Exposure controls/personal protection

8.1 Control parameters

Exposure limit(s)

Occupational exposure limits defined by the EU:
TRGS 553 / max. 2mg/m³

8.2 Exposure controls

Occupational exposure controls

General industrial hygiene practice.
Wash hands before breaks and at the end of workday.

Personal protection equipment

Breathing protection: Mask type FFP2 if cutting.
Hand protection: No special measures required.
No special protective equipment required.
Eye protection: Usual safety measures if cutting.
Skin and body protection: Usual safety measures.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Bright yellow till brown with structured surface.
Aggregate state:	Solid panel
Smell:	Like wood
Explosion hazards:	Not hazardous
Flammability:	≥ 200°C
Density:	140 kg/m ³

10. Stability and reactivity

10.1 Reactivity

None if used as directed.

10.2 Chemical stability

No decomposition if used as directed.

10.3 Possibility of hazardous reactions

No hazards to be specially mentioned.

10.4 Conditions to avoid

Vapours in contact with fire or red-hot surfaces may form decomposition products with highly irritating and warning effects.

10.5 Incompatible materials

none

10.6 Hazardous decomposition products

None under normal use.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

none known

Skin corrosion/irritation

none known

Serious eye damage/eye irritation

none known

Respiratory / Skin Sensitisation

Wood dust can cause asthma.

Carcinogenicity

Wood dust is under suspicion to be a carcinogenetic agent.

Germ cell mutagenicity

none known

Reproductive toxicity

none known

Specific target organ toxicity (single exposure)

none known

Specific target organ toxicity (repeated exposure)

none known

Aspiration hazard

none known

Human experience

This product has no known adverse effect on human health.

12. Ecological information

12.1 Toxicity

none known

12.2 Persistence and degradability

none known

12.3 Bioaccumulative potential

none known

12.4 Mobility in soil

none known

12.5 Results of PBT and vPvB assessment

none known

12.6 Other adverse effects

none known

13. Disposal considerations

13.1 Waste treatment methods

Product

Under consideration of the local provisions burn in a waste combustion dump.

Waste code: 030105; 170201; 170604

Packaging

Under consideration of the local provisions burn in a waste combustion dump.

PE- foil, waste code: 150102

Pallet (wood), waste code: 150103

14. Transport information

ADR/RID

not regulated

IMDG

not regulated

IATA

not regulated

Further Information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information

In accordance with Regulation (EC) No. 1272/2008 (CLP), the product does not need to be classified nor labelled.

15.2 Chemical safety assessment

not required

16. Other information

Key or legend to abbreviations and acronyms

CLP: Classification according to
Regulation (EC) No. 1272/2008 (GHS)

Full text of phrases referred to under sections 2 and 3

none

Training advice

For further information, please also consult our Internet site.

Disclaimer

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PAVATHERM 40-200mm

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1. Identification of the product and of the company/undertaking

1.1 Product identifier

PAVATHERM 40-200mm

1.2 Use of the product

Woodfibre insulation for buildings

1.3 Company/Undertaking Identification

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CH-1701 Fribourg
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GB: Natural Building Technologies
The Hangar, Worminghall Road, Oakley,
Buckinghamshire, HP18 9UL
+44 1844 338 338

1.4 Emergency telephone number

see 1.3

2. Hazards identification

2.1 Classification of the product

In accordance with Regulation (EC) No. 1272/2008 (CLP), the product does not need to be classified nor labelled.

2.2 Label elements

none

2.3 Other hazards

none

3. Composition

Coniferous wood	95.50 %
Paraffin	0.50 %
Polyurea	4.00 %
Aqueous polymer concentrate	0.00 %
Fire-retardant	0.00 %

4. First aid measures

4.1 Description of first aid measures

General information

No particular hazards.
The same precautions against dust must be taken as if solid timber is processed.

Inhalation

non-applicable

Skin contact

Clean dust with water.

Eye contact

Rinse thoroughly the dust with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.

Ingestion

If you feel unwell, seek medical advice (show the label where possible).



5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing agent must be adapted to surrounding fire.
The product behaves in case of fire same as solid wood.

Extinguishing media which must not be used for safety reasons

none

5.2 Special hazards arising from the product

During a fire, smoke may contain unidentified toxic
and/or irritating compounds.

5.3 Advice for firefighters

Self-contained breathing apparatus must be used.
Released flue gas in case of fire:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

none

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

none

7. Handling and storage

7.1 Precautions for safe handling

No special technical protective measures required.

7.2 Conditions for safe storage

none

7.3 Specific end use(s)

Woodfibre insulation for buildings

8. Exposure controls/personal protection

8.1 Control parameters

Exposure limit(s)

Occupational exposure limits defined by the EU:
TRGS 553 / max. 2mg/m³

8.2 Exposure controls

Occupational exposure controls

General industrial hygiene practice.
Wash hands before breaks and at the end of workday.

Personal protection equipment

Breathing protection: Mask type FFP2 if cutting.
Hand protection: No special measures required.
No special protective equipment required.
Eye protection: Usual safety measures if cutting.
Skin and body protection: Usual safety measures.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Bright yellow till brown with structured surface.
Aggregate state:	Solid panel
Smell:	Like wood
Explosion hazards:	Not hazardous
Flammability:	≥ 200°C
Density:	110 kg/m ³

10. Stability and reactivity

10.1 Reactivity

None if used as directed.

10.2 Chemical stability

No decomposition if used as directed.

10.3 Possibility of hazardous reactions

No hazards to be specially mentioned.

10.4 Conditions to avoid

Vapours in contact with fire or red-hot surfaces may form decomposition products with highly irritating and warning effects.

10.5 Incompatible materials

none

10.6 Hazardous decomposition products

None under normal use.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

none known

Skin corrosion/irritation

none known

Serious eye damage/eye irritation

none known

Respiratory / Skin Sensitisation

Wood dust can cause asthma.

Carcinogenicity

Wood dust is under suspicion to be a carcinogenetic agent.

Germ cell mutagenicity

none known

Reproductive toxicity

none known

Specific target organ toxicity (single exposure)

none known

Specific target organ toxicity (repeated exposure)

none known

Aspiration hazard

none known

Human experience

This product has no known adverse effect on human health.

12. Ecological information

12.1 Toxicity

none known

12.2 Persistence and degradability

none known

12.3 Bioaccumulative potential

none known

12.4 Mobility in soil

none known

12.5 Results of PBT and vPvB assessment

none known

12.6 Other adverse effects

none known

13. Disposal considerations

13.1 Waste treatment methods

Product

Under consideration of the local provisions burn in a waste combustion dump.

Waste code: 030105; 170201; 170604

Packaging

Under consideration of the local provisions burn in a waste combustion dump.

PE- foil, waste code: 150102

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14. Transport information

ADR/RID

not regulated

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IATA

not regulated

Further Information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information

In accordance with Regulation (EC) No. 1272/2008 (CLP), the product does not need to be classified nor labelled.

15.2 Chemical safety assessment

not required



16. Other information

Key or legend to abbreviations and acronyms

CLP: Classification according to
Regulation (EC) No. 1272/2008 (GHS)

Full text of phrases referred to under sections 2 and 3

none

Training advice

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Declaration of Performance

in accordance with Annex V of Regulation No. 305/2011



date of issue: 21.12.2016

revised:

Number

No. 1050_004-CPR 2013 / 05 / 12

Unique identification code of the product-type

PAVATHERM

Type, batch or serial number or other identifying mark to identify the construction product

Batch N°. as shown on the label

Intended use as foreseen by the manufacturer of the construction product in accordance with the harmonised technical specification

Insulation for the building envelope

Name, registered trade name or registered trade mark and contact address of the manufacturer

**Pavafrance SAS
Route de la Pisciculture 37
1701 Fribourg
Switzerland**

Name and contact address of the authorised representative

not relevant

System for assessment and verification of constancy of performance of the construction product

System 3

Notified body N° 0672

**Otto-Graf-Institut Universität Stuttgart
Forschungs- und Materialprüfungsanstalt (MPA)
Pfaffenwaldring 4
D-70569 Stuttgart**

The notified certification body carried out the type testing under system 3.

Declared performance

EN 13171:2012+A1:2015, Thermal insulating products for buildings - Factory made wood fibre (WF) products
Intended use as foreseen by the manufacturer of the construction product in accordance with the harmonised technical specification

Title	Essential Characteristic	Performance	Test standard
Reaction to fire	4.2.6 Reaction to fire	E	
Release of dangerous substances	4.3.15 Release of dangerous substances	NPD (a)	
Sound absorption	4.3.12 Sound absorption	NPD	

Declaration of Performance

in accordance with Annex V of Regulation No. 305/2011



date of issue: 21.12.2016

revised:


No. 1050_004-CPR 2013 / 05 / 12

Sound absorption (for Flooring)	4.3.10 Dynamic stiffness	NPD	EN 13171:2012+A 1:2015
	4.3.11.1 Thickness dL	NPD	
	4.3.11.3 compressibility	NPD	
	4.3.13 Air flow resistance	AFr100	
Mouldering performance	4.3.17 mouldering	NPD	
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	$\lambda_d = 0.038 \text{ W/mK}$	
	4.2.3 Thickness	T4 / Siehe Etikette / voire étiquette / see label	
Short term water absorption	4.3.8 Water absorption	WS2.0	
Water vapour transmission	4.3.9 Water vapour transmission	MU3	
compressive strength	4.3.3 compressive strength	CS(10\Y)50	
	4.3.6 Point load	NPD	
Durability of the reaction to fire under the influence of heat, weather conditions and aging	4.2.7 Reaction to fire	NPD	
Durability of the Thermal resistance and thermal conductivity under the influence of heat, weather conditions and aging	4.2.1 Thermal resistance and thermal conductivity	NPD	
	4.3.2 Dimensional stability	NPD	
	4.3.2.2 Dimensional stability at 70°C	NPD	
	4.3.2.2 Dimensional stability at specified temperature and humidity	NPD	
Tensile strength	4.3.5 Tensile strength parallel to faces	NPD	
	4.3.4 Tensile strength vertical to faces	TR2.5	
Durability of the compressive strength under the influence of aging	4.3.7 Long term compressive creep	NPD	
a) NPD = no Performance declared			

Albert Beeler
Leiter Technologiecenter

Matthias Oelhafen
Project Manager Certificates & Labels

CERTIFICATE

Certificate holder	PAVATEX SA Rte de la Pisciculture 37 1701 Fribourg SWITZERLAND
Production facility	Pavafrance SAS, Site Golbey
Product	Thermal insulation products for buildings
Type, Model	PAVATHERM Wood-fibre insulation board
Testing basis	DIN EN 13171:2013-03 DIN EN 13172:2012-04 European Insulation KEYMARK Scheme for Thermal Insulation Products (2016-11)
Mark of conformity	
Registration No.	011-7D011
Valid until	2018-07-31
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number.

See annex for further information.

ANNEX

Certificate	011-7D011 dated 2017-02-21
Technical Data	Designation code in accordance with DIN EN 13171: WF - EN 13171 - T4-CS(10/Y)50-TR2.5-WS2.0-MU3-AFr100 Declared thermal conductivity: 0,038 W/(m*K) Reaction To Fire: Euroclass E Thickness: 30 mm - 240 mm
Testing laboratory/ Inspection body	Materialprüfungsanstalt Universität Stuttgart Pfaffenwaldring 32 70569 Stuttgart GERMANY
Test report(s)	Z-23.15-1429 dated 2013-06-20 900 5742/GIPa/Schr dated 2013-07-04 9005742013/G/Schr dated 2013-07-04 1050_001-CPR 2013/05/12 dated 2013-07-09 902 6226 000-2 dated 2013-07-26 900 5742/14G/Schr dated 2014-10-17 900 5742/15G/Schr dated 2015-07-20 900 5742/16G1/Schr dated 2016-05-30
Surveillance contract/ License agreement	dated 2013-11-29, Annex 3 dated 2014-08-25

